

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079412.D
 Acq On : 04 Oct 2023 18:48
 Operator : JC\MD
 Sample : 04714-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 02:25:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

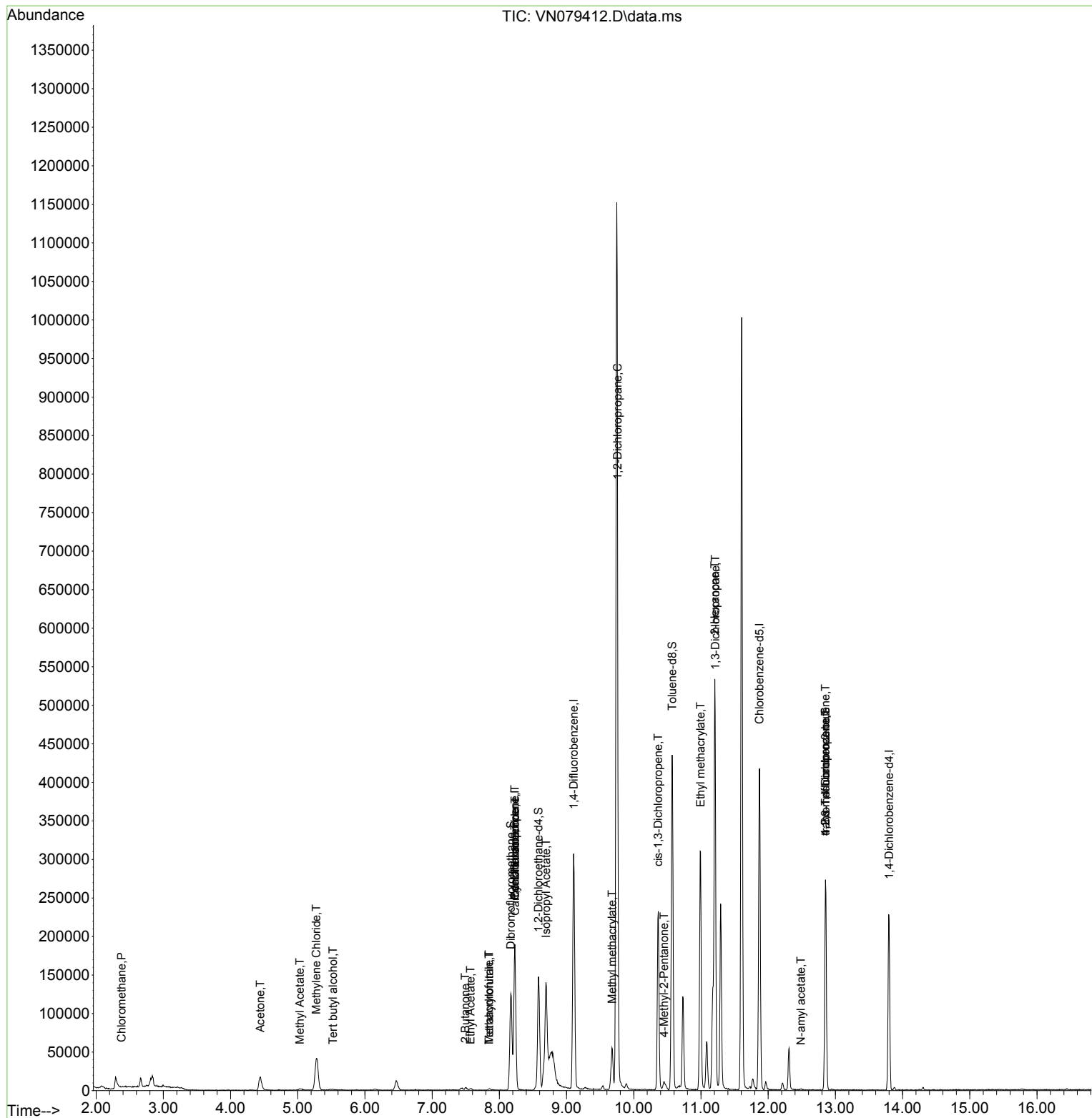
Internal Standards						
1) Pentafluorobenzene	8.229	168	126388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	255050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	230532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	58845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118011	69.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 138.340%#			
35) Dibromofluoromethane	8.171	113	88147	51.957	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.920%			
50) Toluene-d8	10.570	98	291676	46.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.640%			
62) 4-Bromofluorobenzene	12.853	95	88991	44.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.580%			
Target Compounds						Qvalue
3) Chloromethane	2.377	50	596	0.363	ug/l #	42
6) Chloroethane	3.136	64	327	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	497	1.578	ug/l #	72
16) Acetone	4.441	43	33800	46.647	ug/l #	87
18) Methyl Acetate	5.030	43	2244	0.754	ug/l #	68
20) Methylene Chloride	5.277	84	33759	19.145	ug/l	87
25) 2-Butanone	7.494	43	5718	5.439	ug/l #	76
29) Tetrahydrofuran	7.847	42	1333	1.992	ug/l #	39
31) Cyclohexane	8.229	56	3295	1.323	ug/l #	13
36) 1,1-Dichloropropene	8.229	75	11387	4.354	ug/l #	48
37) Ethyl Acetate	7.571	43	3905	1.497	ug/l #	74
38) Carbon Tetrachloride	8.235	117	13271	4.904	ug/l #	17
41) Methacrylonitrile	7.847	41	839	0.638	ug/l #	27
43) Isopropyl Acetate	8.694	43	185147	43.504	ug/l #	71
45) 1,2-Dichloropropane	9.759	63	1230	0.619	ug/l #	45
48) Methyl methacrylate	9.676	41	3588	1.882	ug/l #	29
51) 4-Methyl-2-Pentanone	10.453	43	11908	4.820	ug/l #	66
54) cis-1,3-Dichloropropene	10.365	75	37823	12.141	ug/l #	68
56) Ethyl methacrylate	10.994	69	1950	0.716	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	5384	1.613	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.165	63	243	Below Cal	#	42
59) 2-Hexanone	11.206	43	67202	37.556	ug/l #	47
74) N-amyl acetate	12.488	43	1288	0.634	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	50398	31.778	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	50398	87.364	ug/l #	15

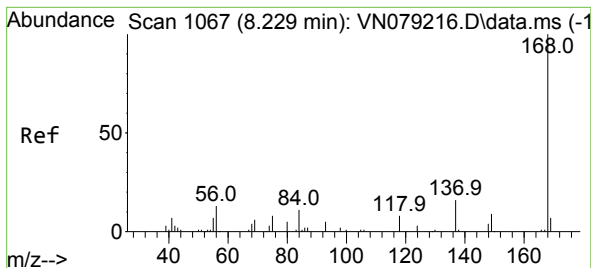
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN079412.D
Acq On : 04 Oct 2023 18:48
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Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
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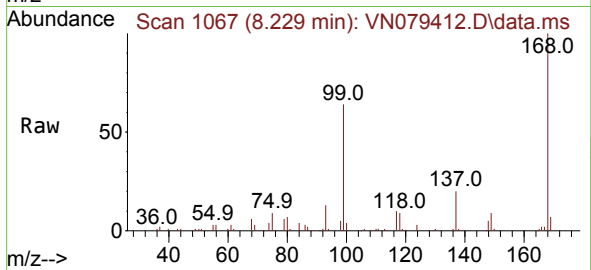
Quant Time: Oct 05 02:25:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration



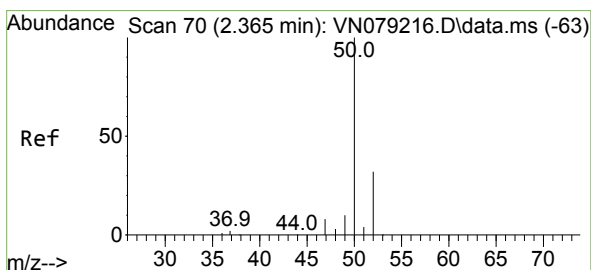
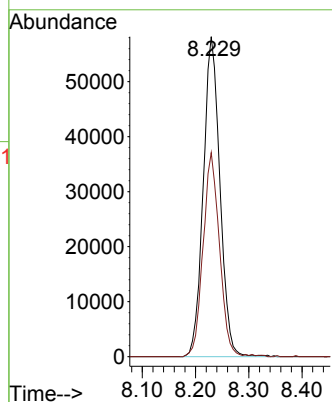
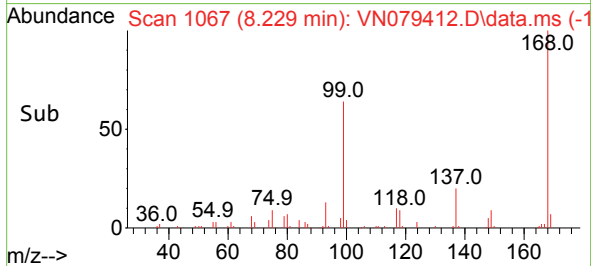


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :

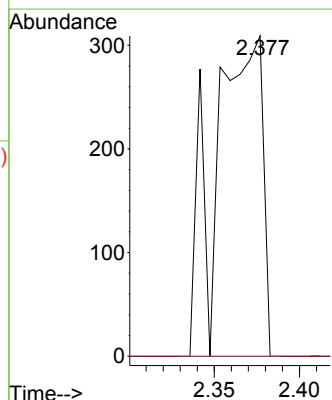
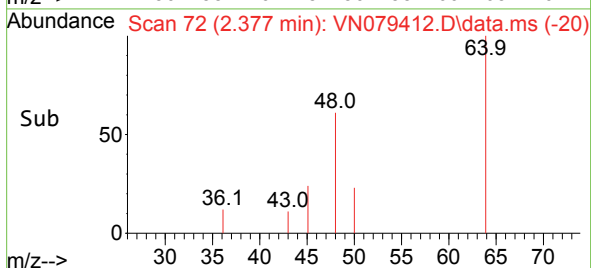
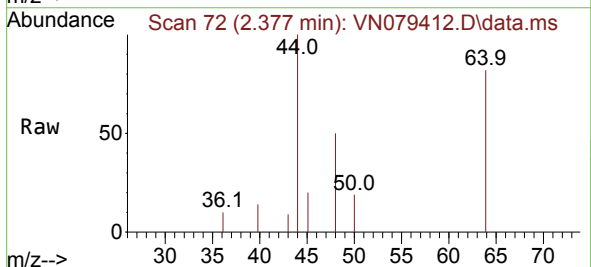


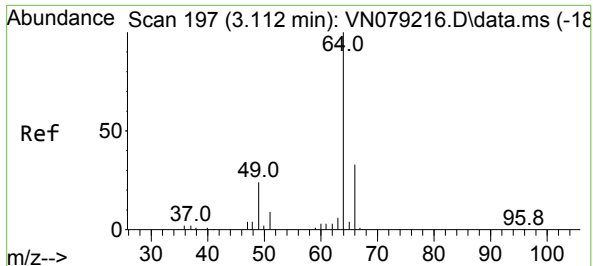
Tgt Ion:168 Resp: 126388
Ion Ratio Lower Upper
168 100
99 63.8 53.0 79.6



#3
Chloromethane
Concen: 0.363 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Tgt Ion: 50 Resp: 596
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

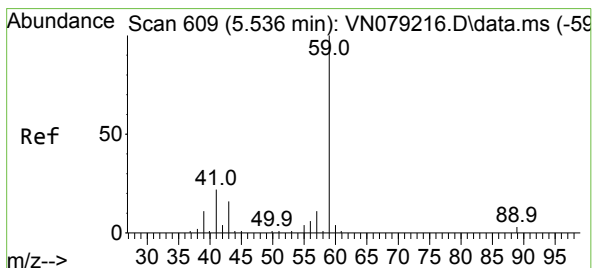
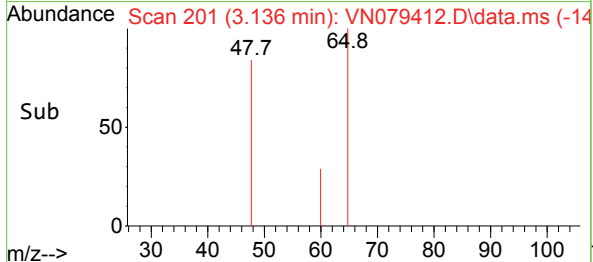
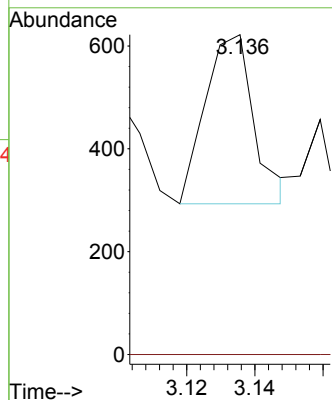
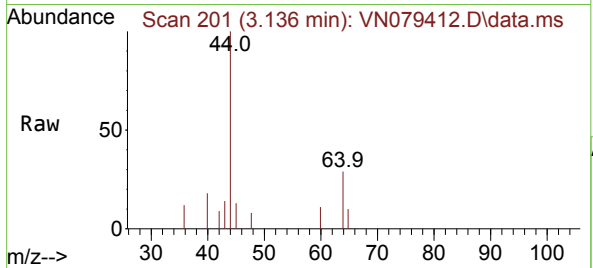




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

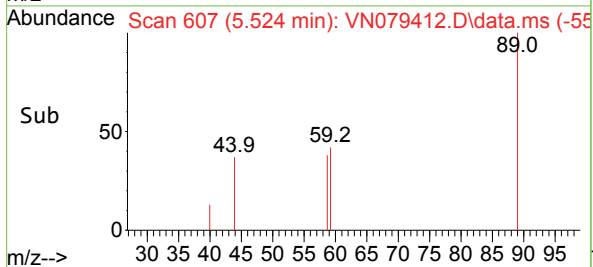
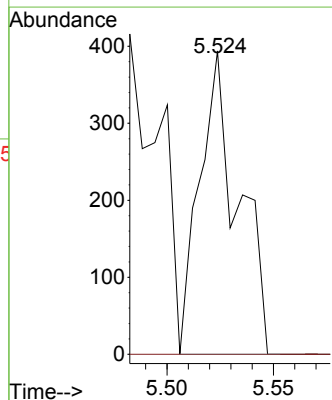
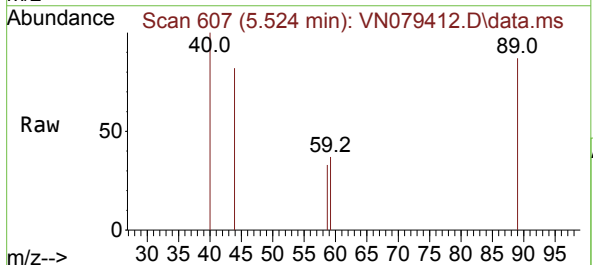
Instrument :
MSVOA_N
ClientSampleId :

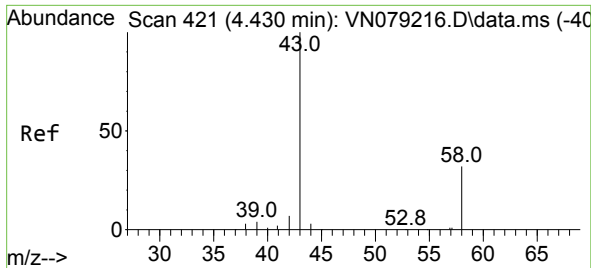
Tgt Ion: 64 Resp: 327
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.578 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Tgt Ion: 59 Resp: 497
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

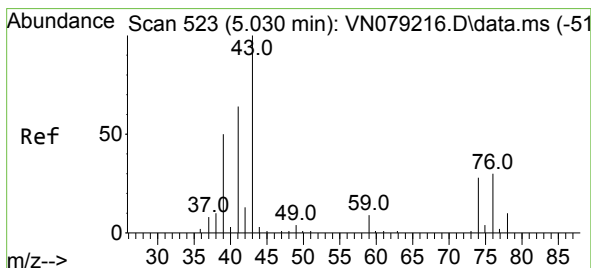
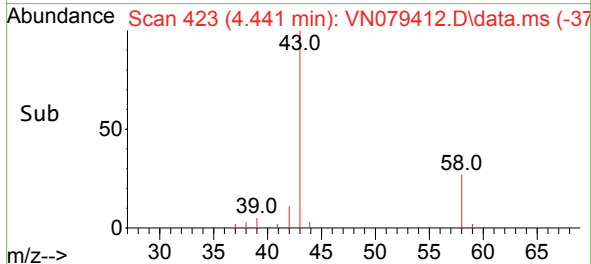
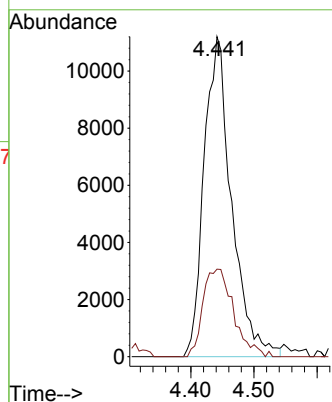
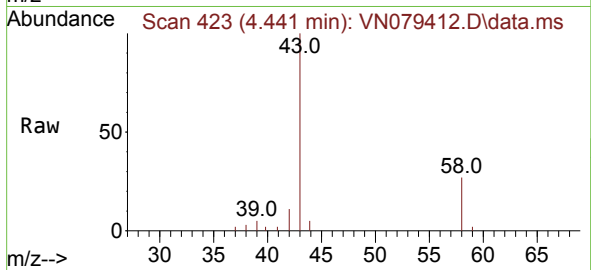




#16
Acetone
Concen: 46.647 ug/l
RT: 4.441 min Scan# 41
Delta R.T. -0.001 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

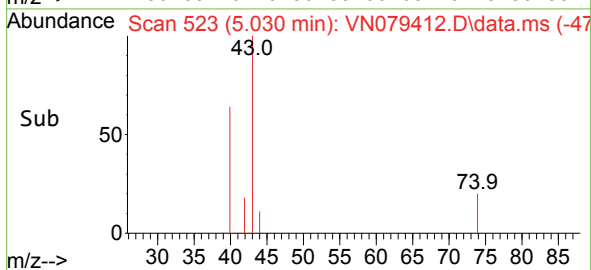
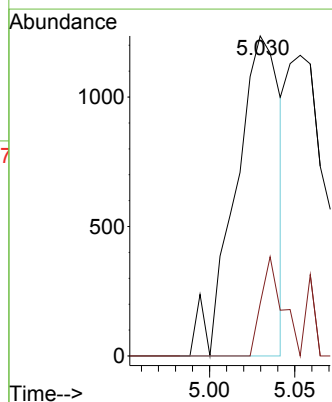
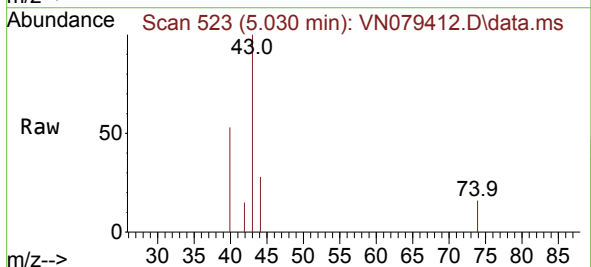
Instrument :
MSVOA_N
ClientSampleId :

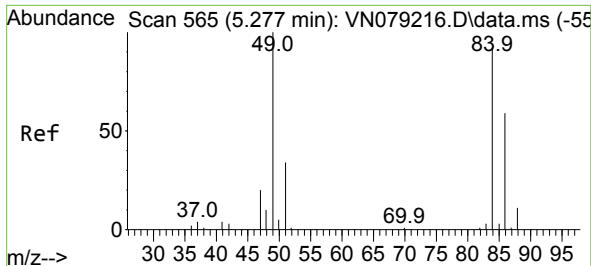
Tgt Ion: 43 Resp: 33800
Ion Ratio Lower Upper
43 100
58 27.3 28.0 42.0#



#18
Methyl Acetate
Concen: 0.754 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.012 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

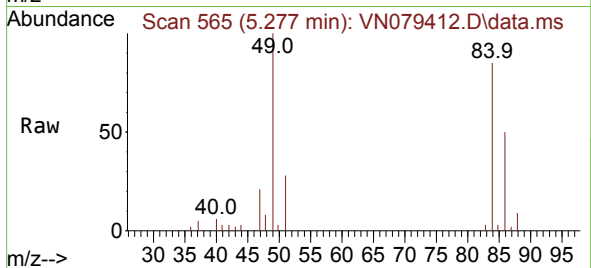
Tgt Ion: 43 Resp: 2244
Ion Ratio Lower Upper
43 100
74 14.8 26.2 39.4#



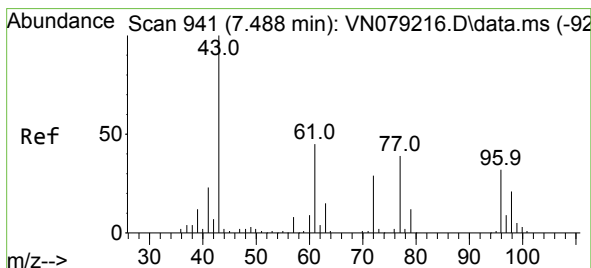
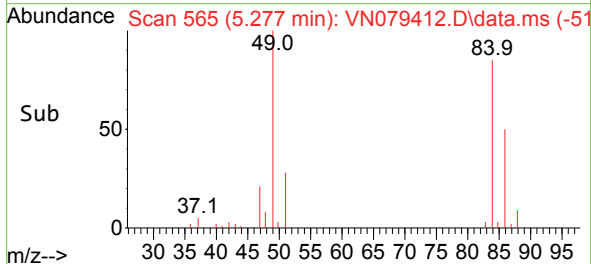
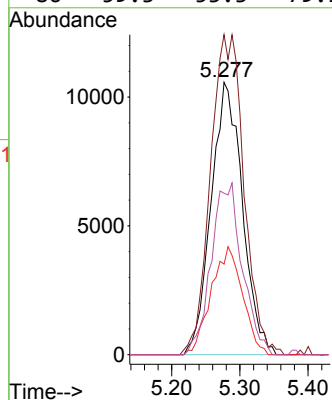


#20
Methylene Chloride
Concen: 19.145 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :

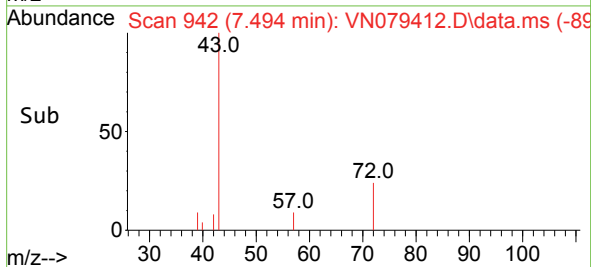
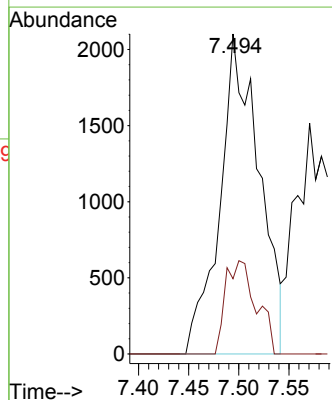
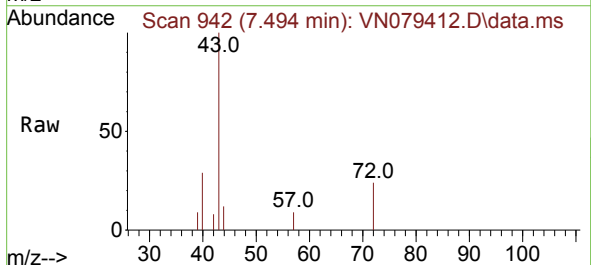


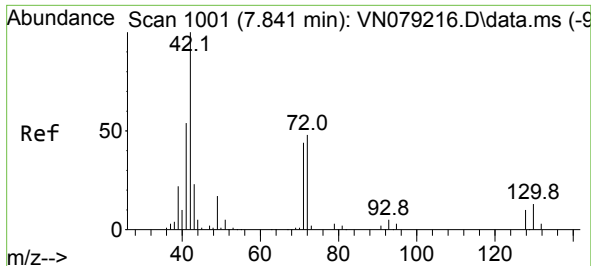
Tgt Ion:	84	Resp:	33759
Ion	Ratio	Lower	Upper
84	100		
49	117.5	79.7	119.5
51	33.2	25.2	37.8
86	59.3	53.3	79.9



#25
2-Butanone
Concen: 5.439 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

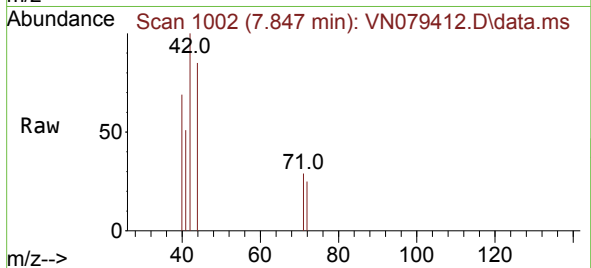
Tgt Ion:	43	Resp:	5718
Ion	Ratio	Lower	Upper
43	100		
72	23.5	30.2	45.2#



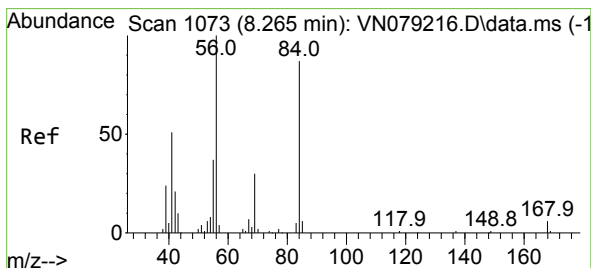
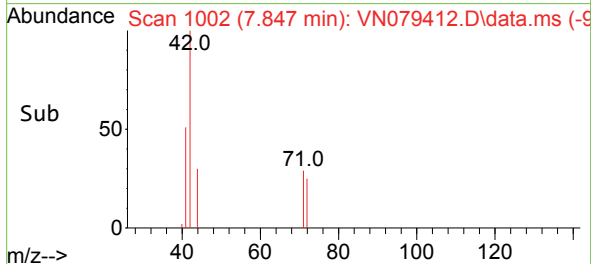
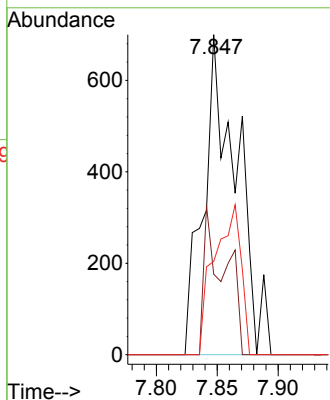


#29
Tetrahydrofuran
Concen: 1.992 ug/l
RT: 7.847 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :

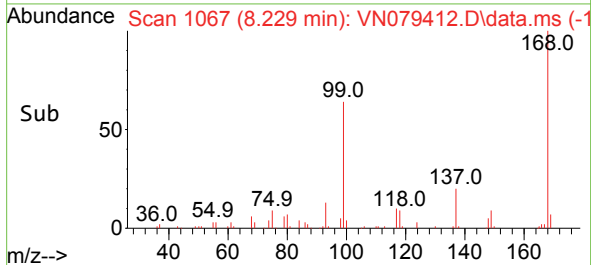
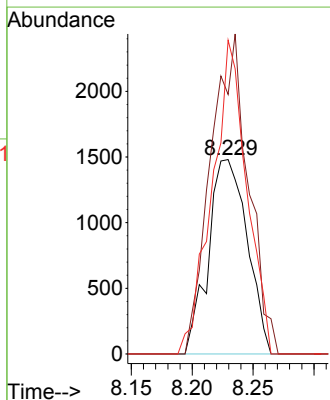
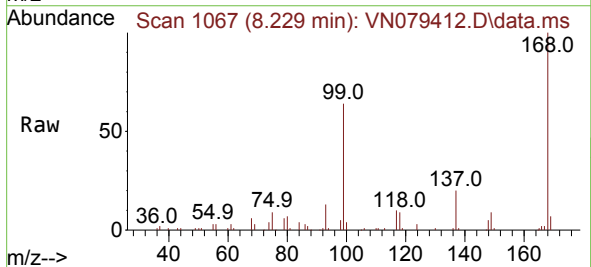


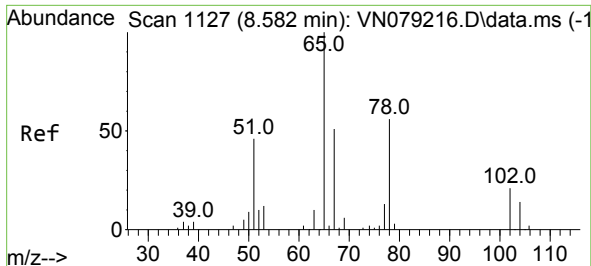
Tgt Ion: 42 Resp: 1333
Ion Ratio Lower Upper
42 100
72 28.9 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.323 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Tgt Ion: 56 Resp: 3295
Ion Ratio Lower Upper
56 100
69 133.5 26.8 40.2#
84 161.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 69.169 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079412.D

Acq: 04 Oct 2023 18:48

Instrument :

MSVOA_N

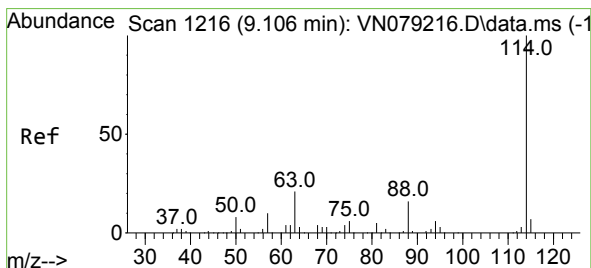
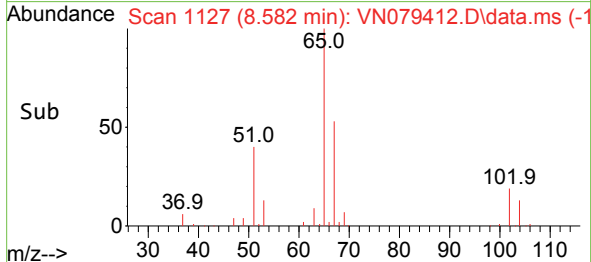
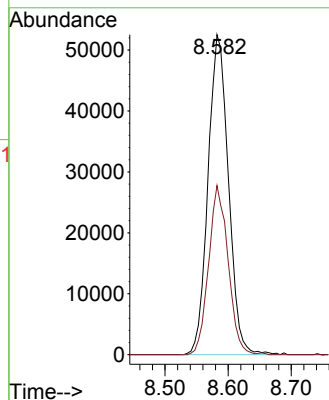
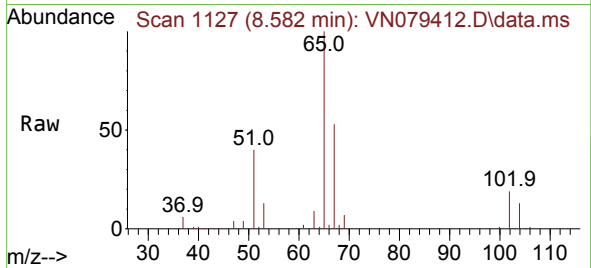
ClientSampleId :

Tgt Ion: 65 Resp: 118011

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079412.D

Acq: 04 Oct 2023 18:48

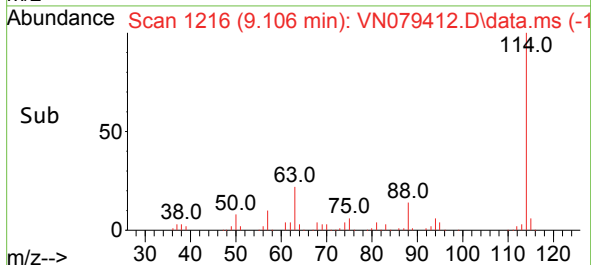
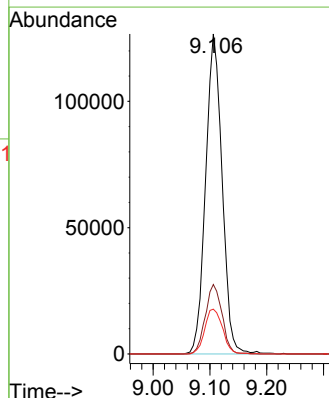
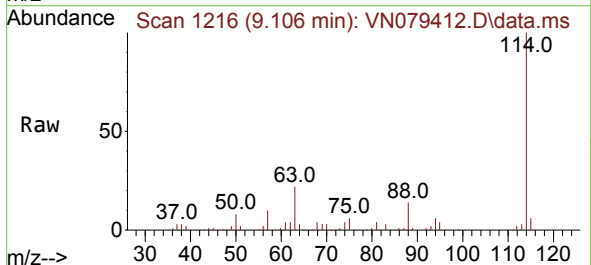
Tgt Ion: 114 Resp: 255050

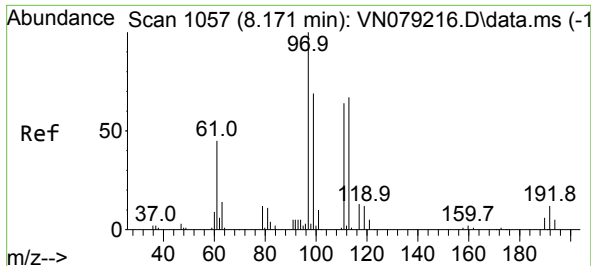
Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 14.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.957 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

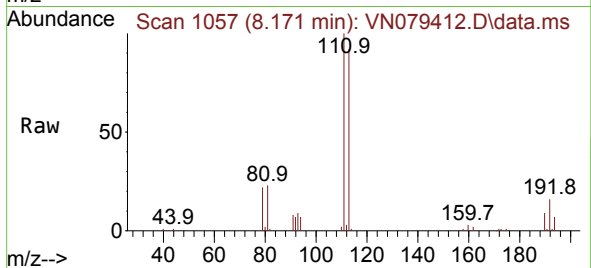
Lab File: VN079412.D

Acq: 04 Oct 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :



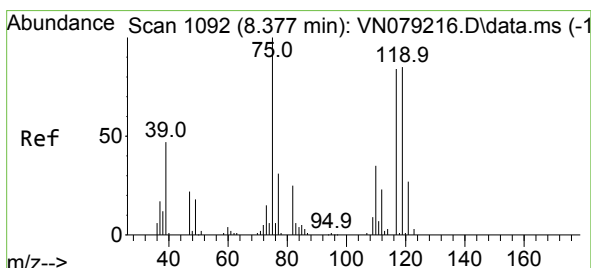
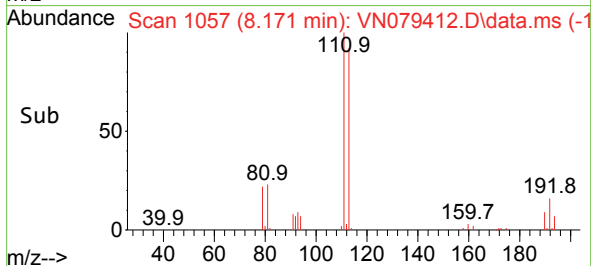
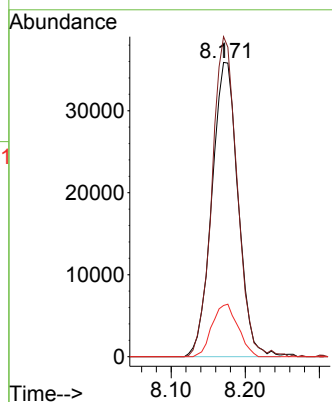
Tgt Ion:113 Resp: 88147

Ion Ratio Lower Upper

113 100

111 104.8 82.6 123.8

192 17.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.354 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN079412.D

Acq: 04 Oct 2023 18:48

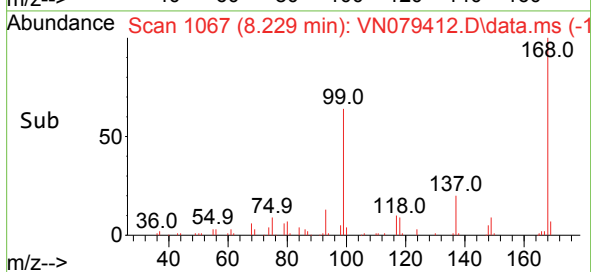
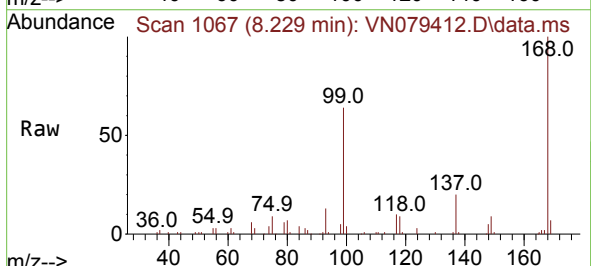
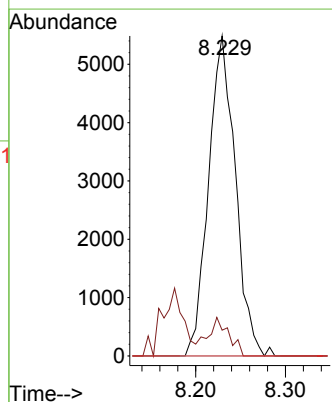
Tgt Ion: 75 Resp: 11387

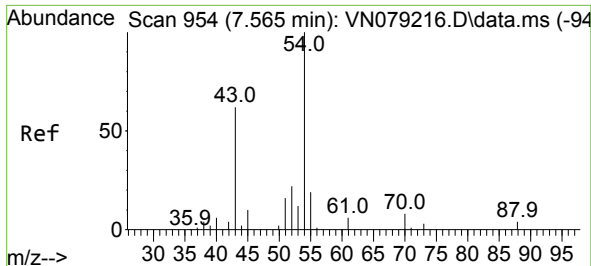
Ion Ratio Lower Upper

75 100

110 9.4 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.497 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

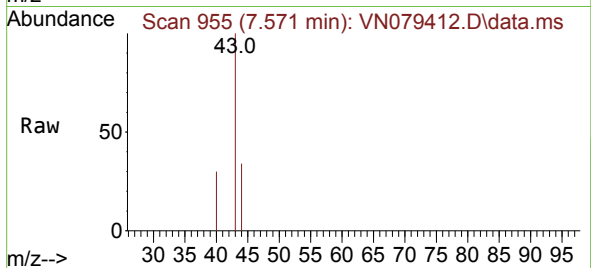
Lab File: VN079412.D

Acq: 04 Oct 2023 18:48

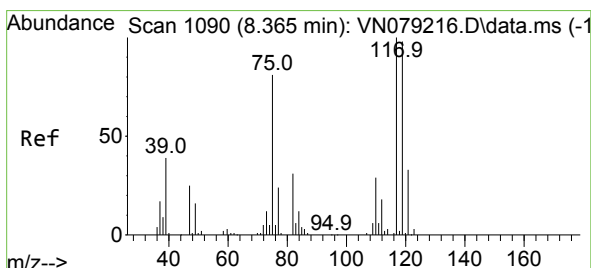
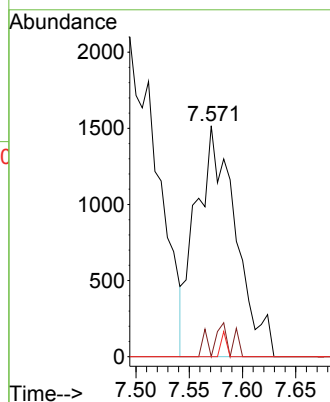
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3905
Ion	Ratio	Lower	Upper
43	100		
61	6.8	13.2	19.8#
70	1.5	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.904 ug/l

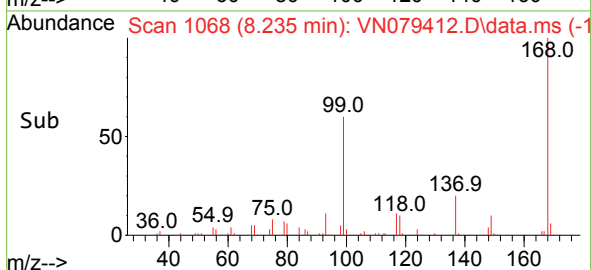
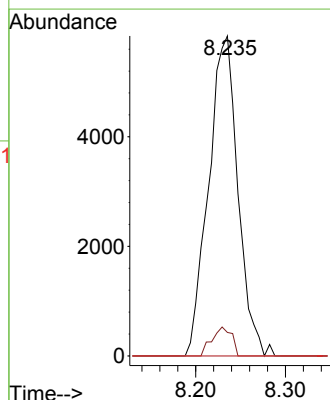
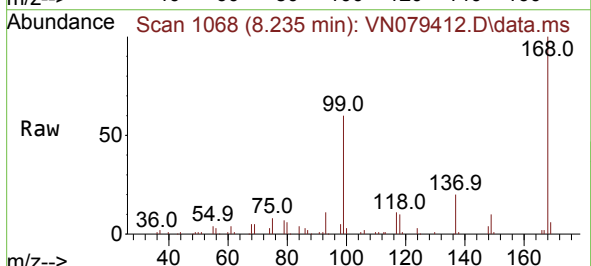
RT: 8.235 min Scan# 1068

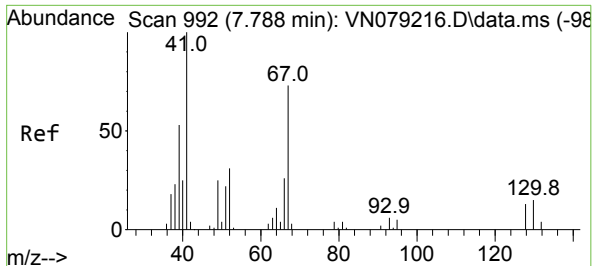
Delta R.T. -0.136 min

Lab File: VN079412.D

Acq: 04 Oct 2023 18:48

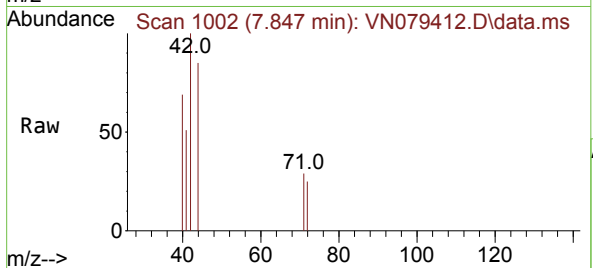
Tgt Ion:	117	Resp:	13271
Ion	Ratio	Lower	Upper
117	100		
119	7.3	77.3	115.9#
121	0.0	23.3	34.9#



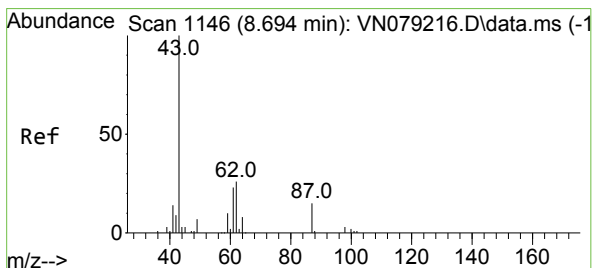
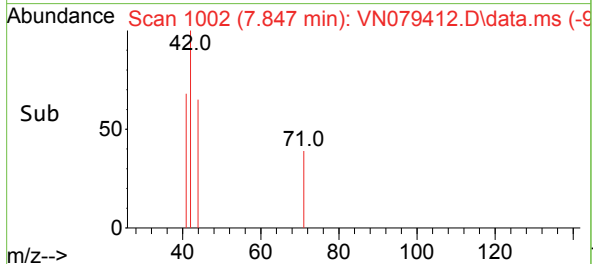
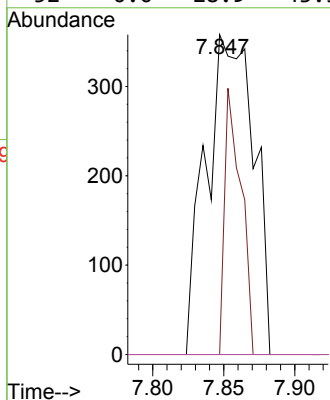


#41
Methacrylonitrile
Concen: 0.638 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.053 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :

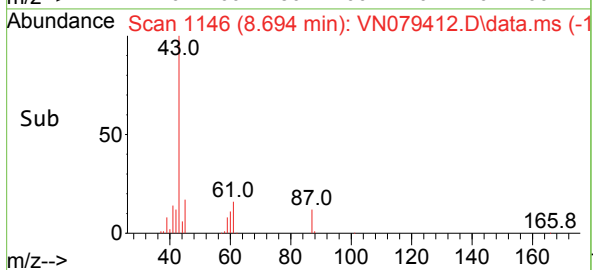
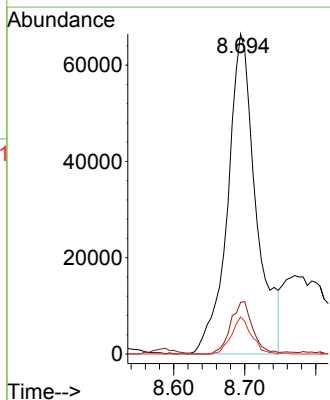
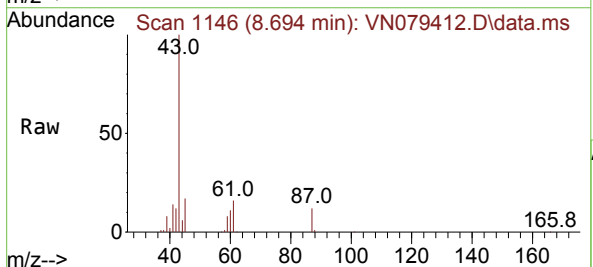


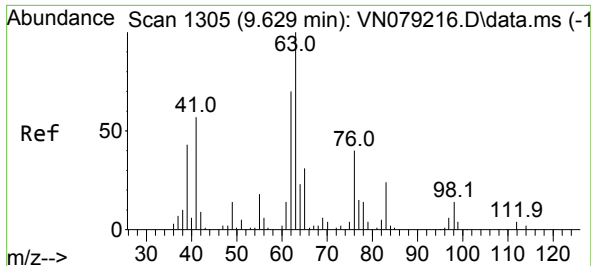
Tgt Ion:	41	Resp:	839
Ion	Ratio	Lower	Upper
41	100		
39	28.6	42.6	64.0#
67	0.0	77.5	116.3#
52	0.0	28.9	43.3#



#43
Isopropyl Acetate
Concen: 43.504 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Tgt Ion:	43	Resp:	185147
Ion	Ratio	Lower	Upper
43	100		
61	12.7	24.7	37.1#
87	8.1	14.6	21.8#

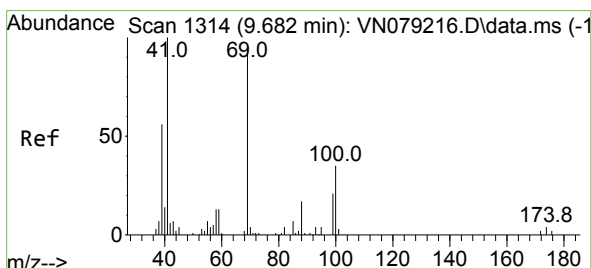
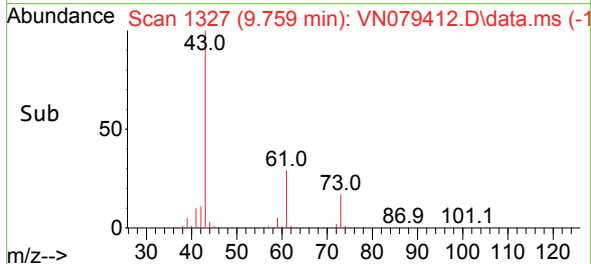
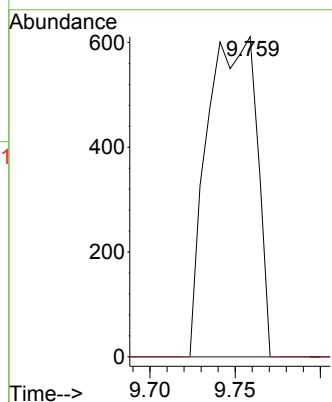
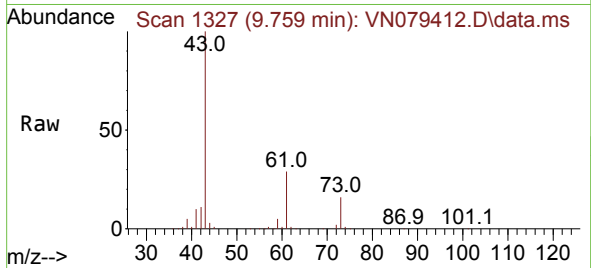




#45
1,2-Dichloropropane
Concen: 0.619 ug/l
RT: 9.759 min Scan# 11
Delta R.T. 0.135 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

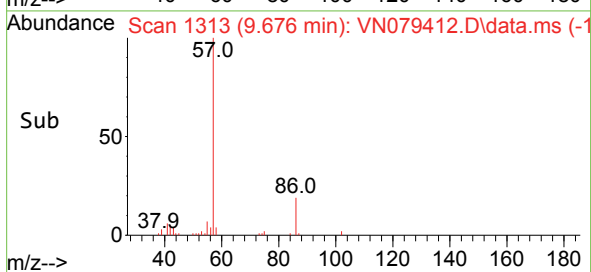
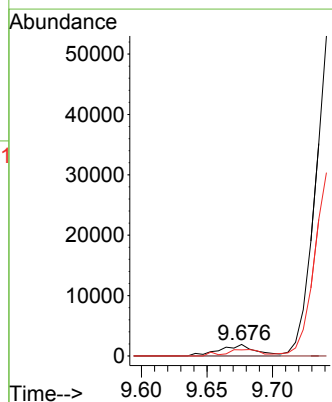
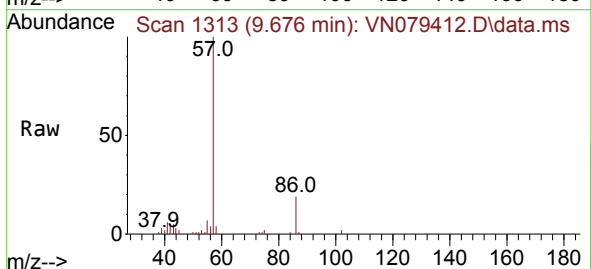
Instrument :
MSVOA_N
ClientSampleId :

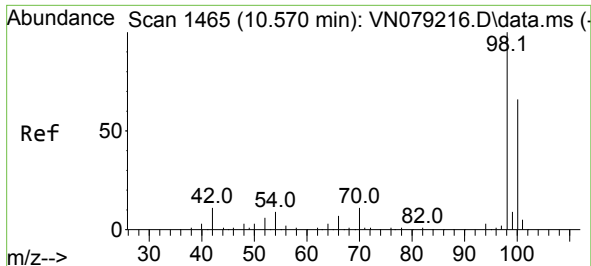
Tgt Ion: 63 Resp: 1230
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.882 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Tgt Ion: 41 Resp: 3588
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 57.3 54.6 81.8

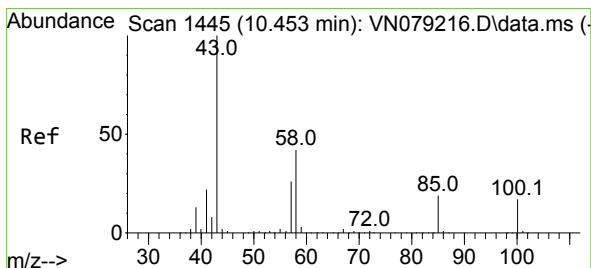
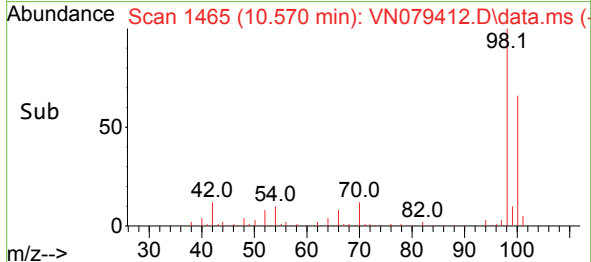
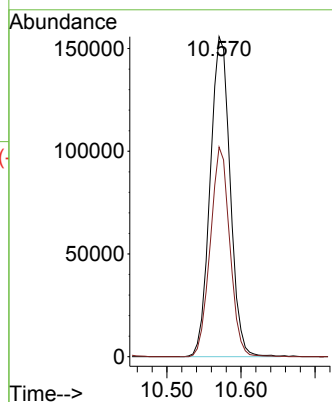
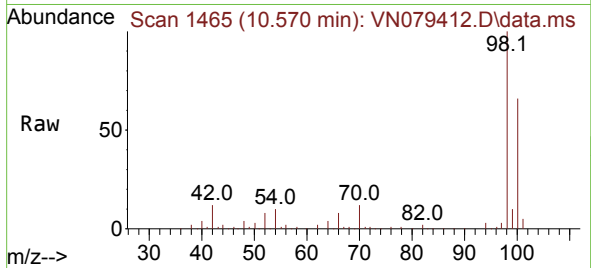




#50
Toluene-d8
Concen: 46.822 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

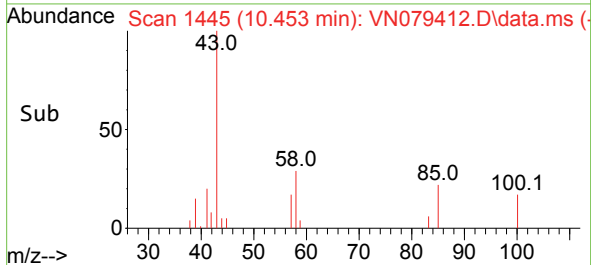
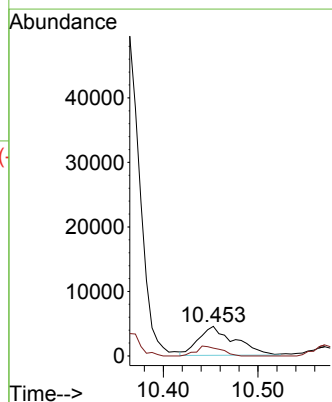
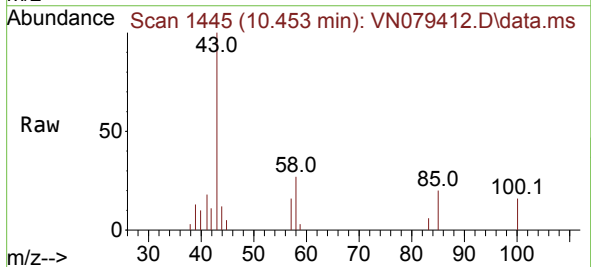
Instrument :
MSVOA_N
ClientSampleId :

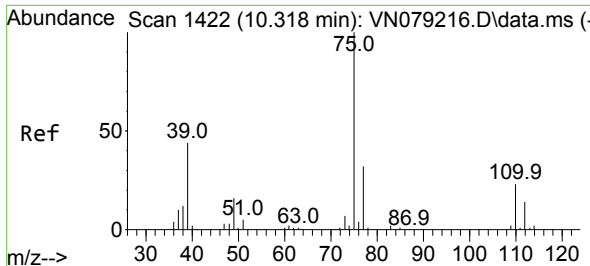
Tgt Ion: 98 Resp: 291676
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.820 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Tgt Ion: 43 Resp: 11908
Ion Ratio Lower Upper
43 100
58 23.3 36.6 54.8#

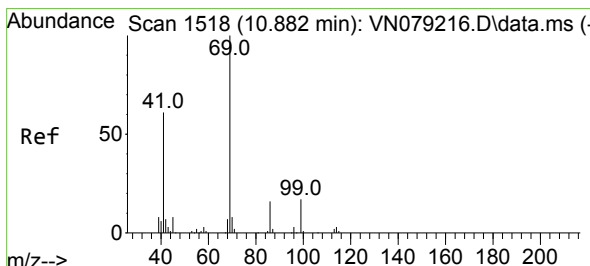
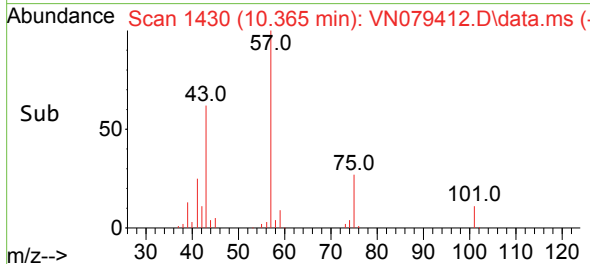
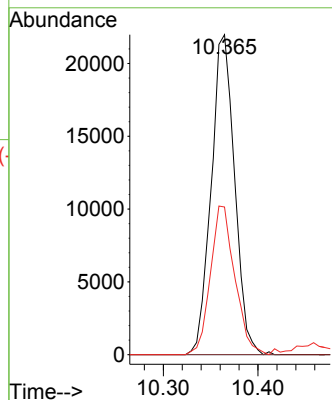
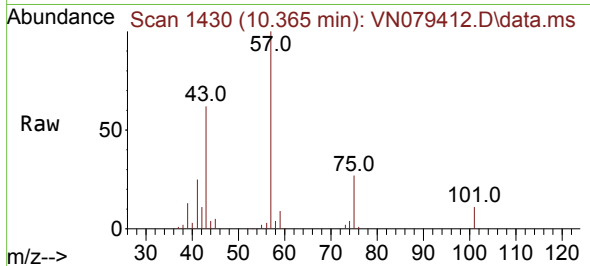




#54
 cis-1,3-Dichloropropene
 Concen: 12.141 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079412.D
 Acq: 04 Oct 2023 18:48

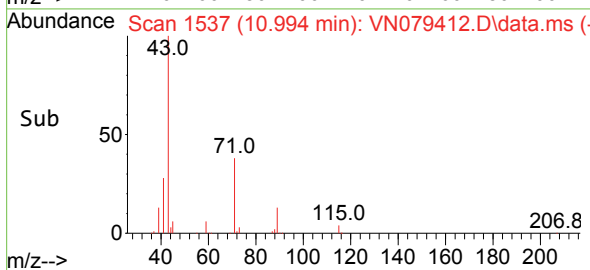
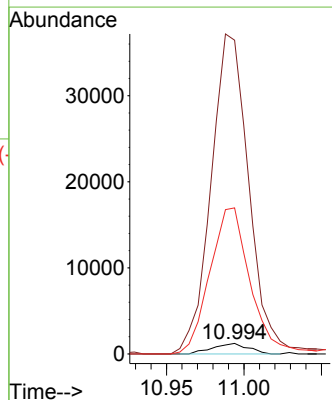
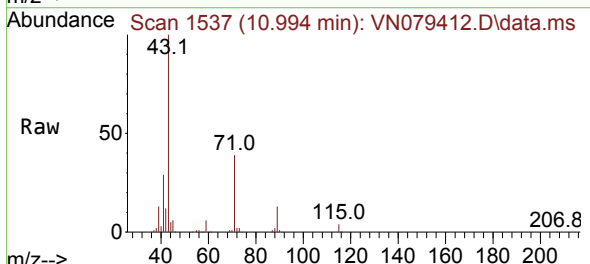
Instrument :
 MSVOA_N
 ClientSampleId :

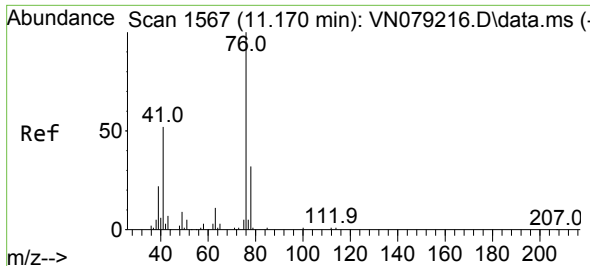
Tgt Ion: 75 Resp: 37823
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 46.2 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.716 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.117 min
 Lab File: VN079412.D
 Acq: 04 Oct 2023 18:48

Tgt Ion: 69 Resp: 1950
 Ion Ratio Lower Upper
 69 100
 41 3254.2 39.6 59.4#
 39 1580.7 28.6 43.0#

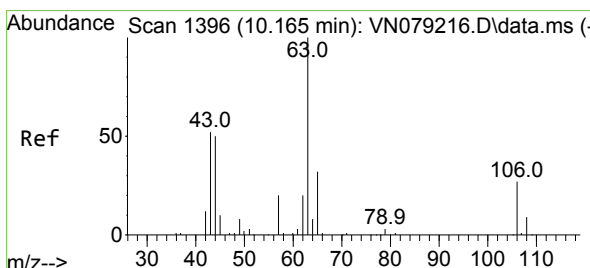
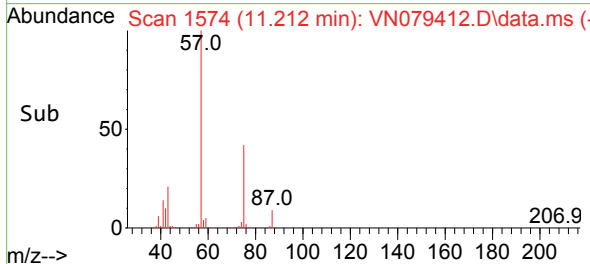
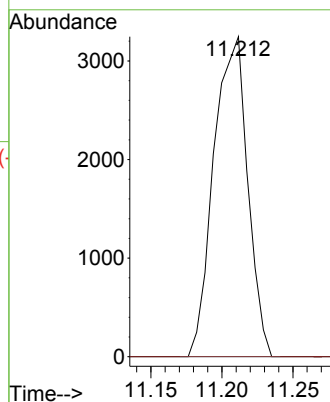
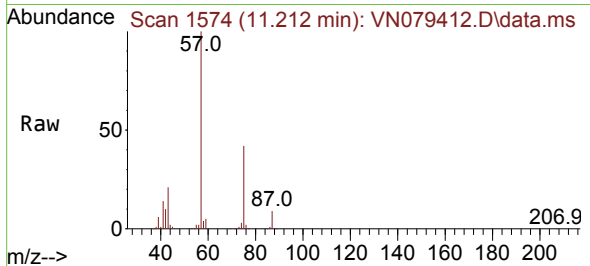




#57
1,3-Dichloropropane
Concen: 1.613 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

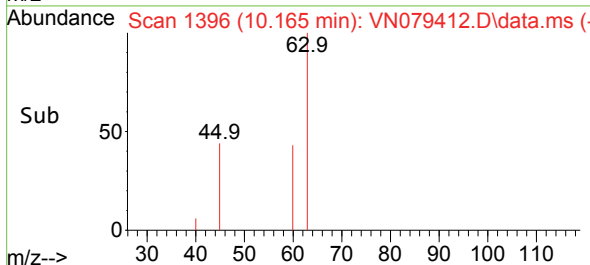
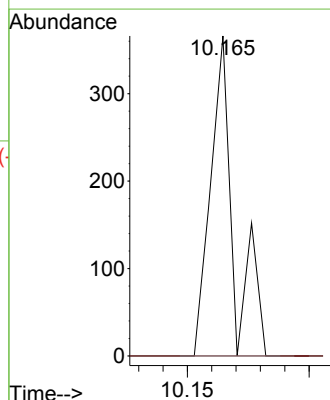
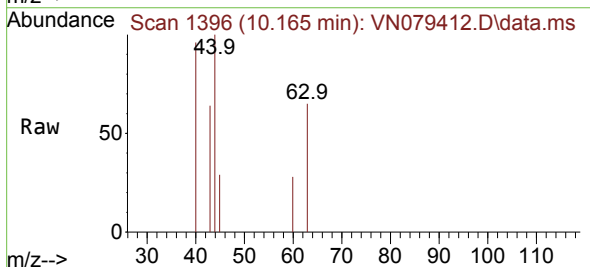
Instrument :
MSVOA_N
ClientSampleId :

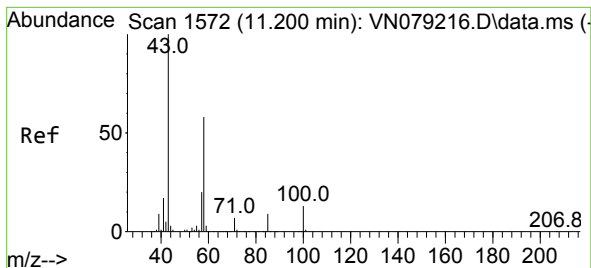
Tgt Ion: 76 Resp: 5384
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Tgt Ion: 63 Resp: 243
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#

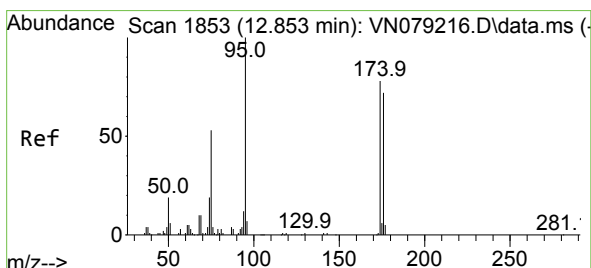
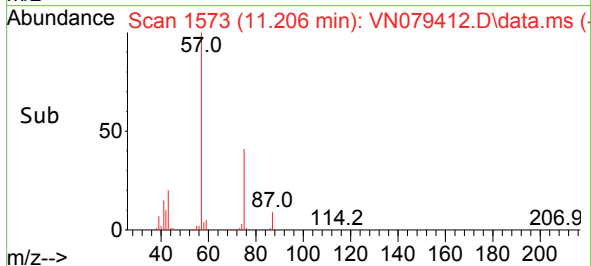
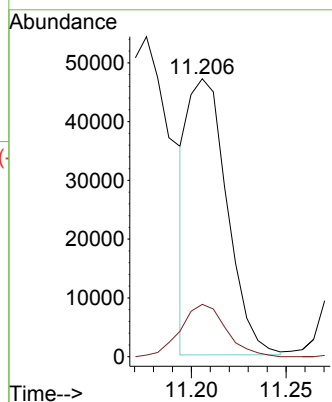
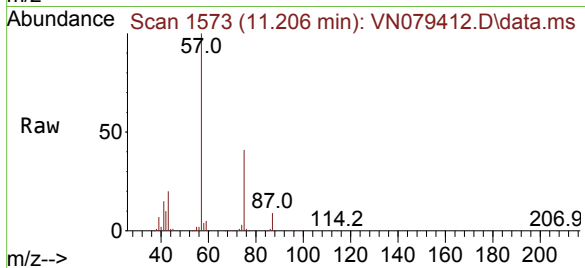




#59
2-Hexanone
Concen: 37.556 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

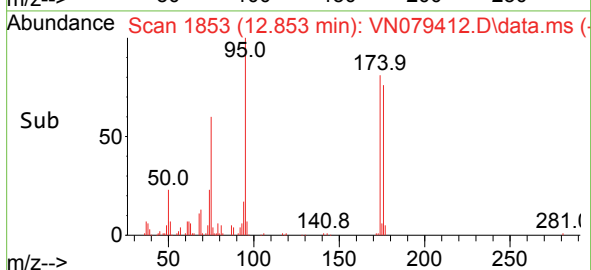
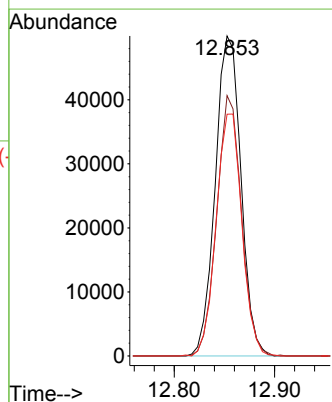
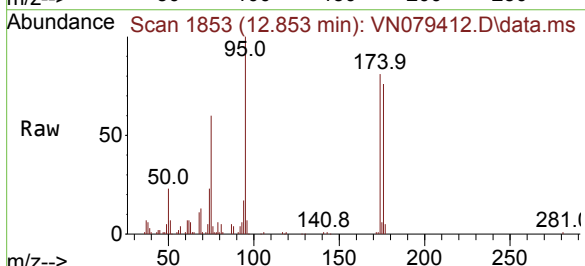
Instrument :
MSVOA_N
ClientSampleId :

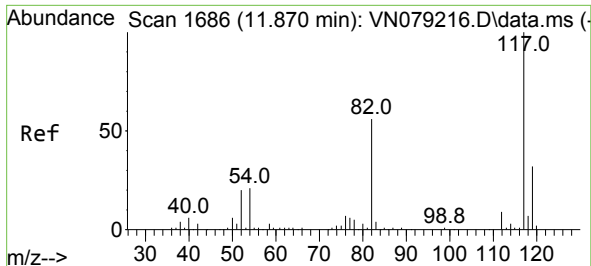
Tgt Ion: 43 Resp: 67202
Ion Ratio Lower Upper
43 100
58 22.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 44.785 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Tgt Ion: 95 Resp: 88991
Ion Ratio Lower Upper
95 100
174 78.1 0.0 143.8
176 75.7 0.0 135.8

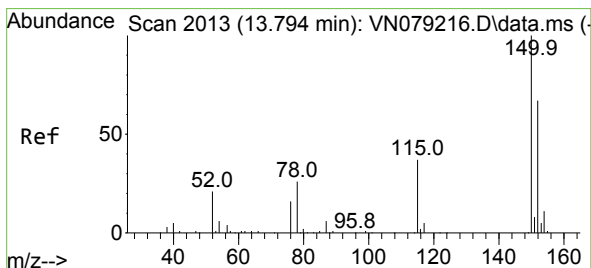
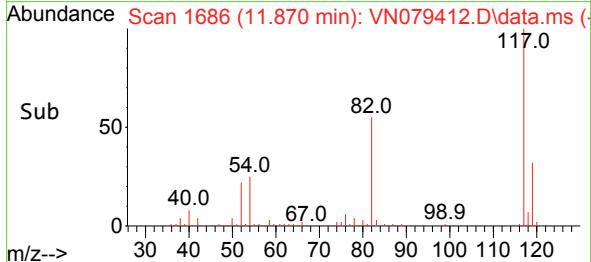
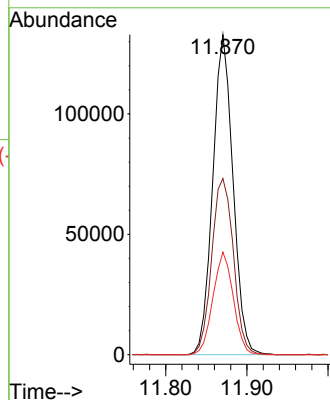
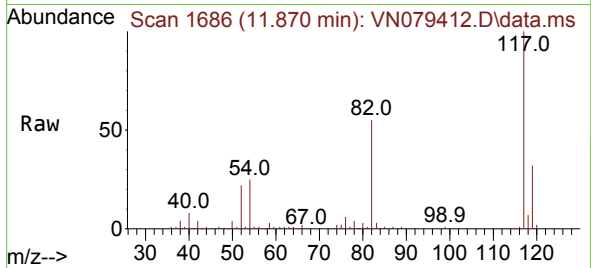




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

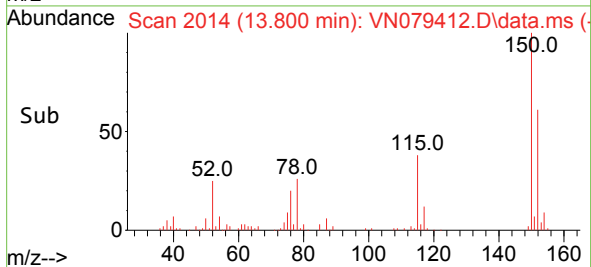
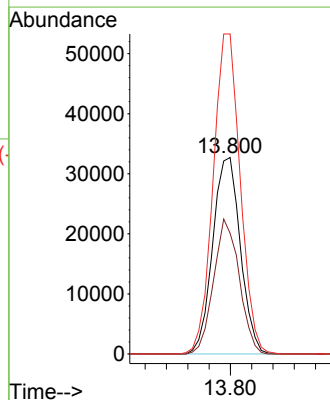
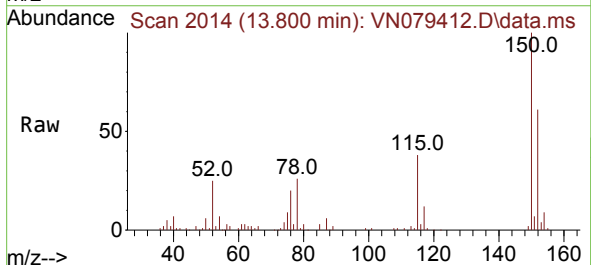
Instrument :
MSVOA_N
ClientSampleId :

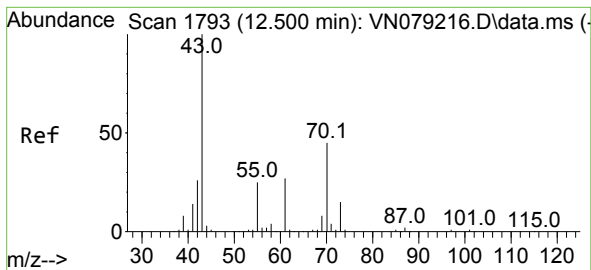
Tgt Ion:117 Resp: 230532
Ion Ratio Lower Upper
117 100
82 55.0 44.0 66.0
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079412.D
Acq: 04 Oct 2023 18:48

Tgt Ion:152 Resp: 58845
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 159.4 0.0 355.8





#74

N-amy1 acetate

Concen: 0.634 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

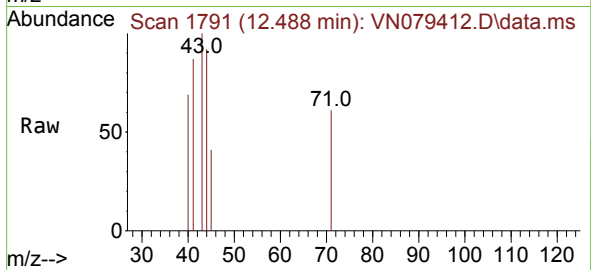
Lab File: VN079412.D

Acq: 04 Oct 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1288

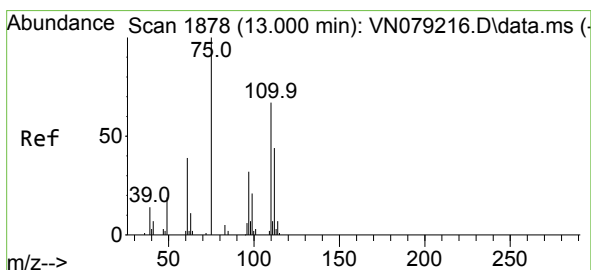
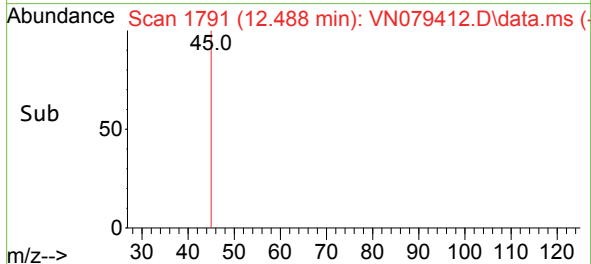
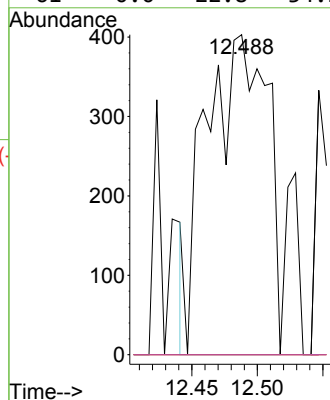
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 31.778 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079412.D

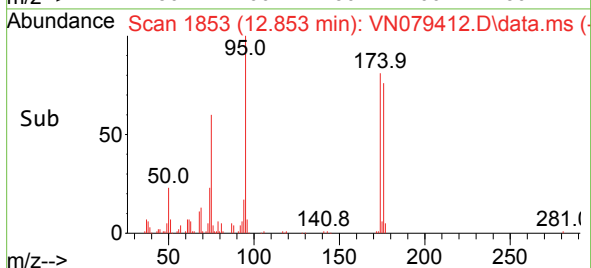
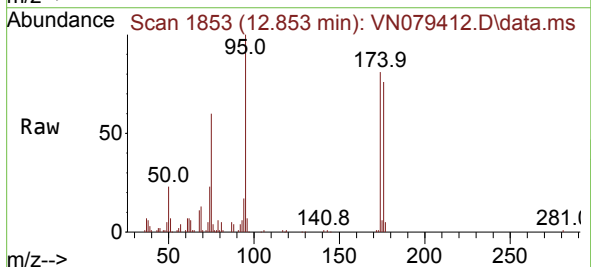
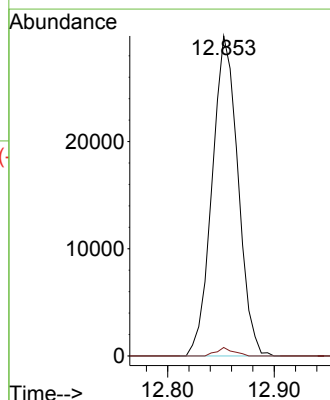
Acq: 04 Oct 2023 18:48

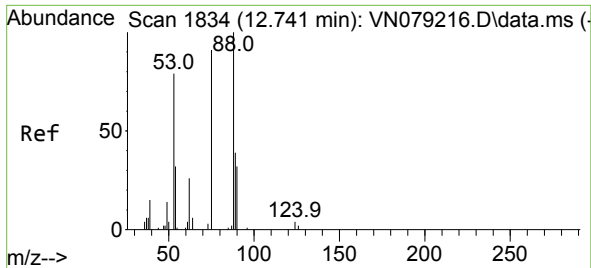
Tgt Ion: 75 Resp: 50398

Ion Ratio Lower Upper

75 100

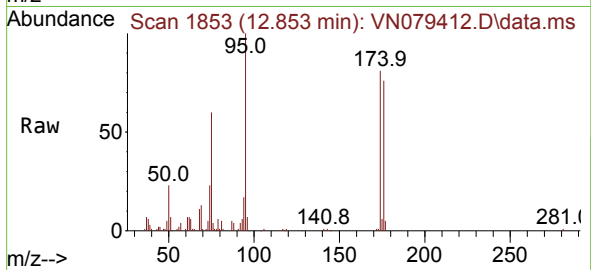
77 1.7 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.364 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079412.D
 Acq: 04 Oct 2023 18:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 50398
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

